

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE X WATER SANDS \_\_\_\_\_ LOCATION INSPECTED GAS SUB. REPORT/abd \_\_\_\_\_*\* Location Abandoned- Well never drilled- 4-13-83 (open Reg.)*DATE FILED 6-1-82

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-01193

INDIAN

DRILLING APPROVED: 6-2-82

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR.

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LA 4-13-83 5-25-83FIELD: NATURAL BUTTES 3/86UNIT: NATURAL BUTTESCOUNTY: UINTAHWELL NO. CIGE #100D-13-9-21JAPI NO. 43-047-31225LOCATION 1742'FT. FROM (X) (S) LINE.798'FT. FROM (X) (W) LINE.NW SW1/4 - 1/4 SEC.13

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<u>9S</u>	<u>21E</u>	<u>13</u>	<u>COASTAL O &amp; G</u> <u>CIG EXPLORATION, INC.</u>				

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

CIG Exploration, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1742' FSL/798' FWL (NW SW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 15 miles SE of Ouray, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1742'

16. NO. OF ACRES IN LEASE

1920

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1602'

19. PROPOSED DEPTH

7300' (Wasatch)

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4834 Ungr. Gr.

22. APPROX. DATE WORK WILL START\*

June 1, 1982

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 sx
8-3/4, 7-7/8	4 1/2"	11.6#	7300'	Sufficient cmt to cover 200' above the uppermost hydrocarbon zone to protect the oil shale

Fresh water aquifers will be protected when the long string is run and cement is circulated back to surface. Please see the attached supplemental information:

- (1) Survey Plat
- (2) Ten-Point Program
- (3) BOP Schematic
- (4) Thirteen-Point Surface Use Program
- (5) Proposed Gas Well Production Hookup
  - a. Proposed flowline right-of-way.
  - b. Proposed flowline map.
  - c. Typical wellhead installation.
  - d. Typical mainline & pipe anchor detail.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MININGDATE:                     BY:                     

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

H. E. Aad

TITLE District Drlg. Mgr.

DATE May 18, 1982

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

10-POINT PROGRAM

1. Geologic name of surface formation:

Uintah

2. The estimated tops of important geologic markers:

Green River - 1525'  
Wasatch - 5050'

3. The estimated depths at which anticipated water, oil, gas are expected to be encountered:

Wasatch - 5050' - Gas

4. The proposed casing program, including the size, grade, and weight per foot each string and whether new or used:

9-5/8" - K-55, ST&C - 36# - New  
4½" - N-80, LT&C - 11.6# - New

5. The Operators' minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings, and testing procedures and testing frequency:

Bottom:

3000# BOP w/4½" Pipe Rams  
3000 BOP w/Blind Rams  
3000# Hydril

Top:

Grant Rotating Head

Manifold includes appropriate valves, positive and adjustable chokes and kill line to control abnormal pressures.  
BOP's will be tested at installation and will be cycled on each trip.

6. The type and characteristics of the proposed circulating medium to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained:

## 10-POINT PROGRAM - PAGE 2

## 6. Continued --

The well will be drilled with fresh water from surface to 4500' with a weight of 8.3 to 8.7. From 4500' to TD the well will be drilled with Fresh Wtr Mud with a weight from 8.7 to 10.4. Sufficient weighting material (barite) will be on location to increase the mud weight if abnormal pressure is encountered.

## 7. The auxiliary equipment to be used:

- a. kelly cock
- b. monitoring equipment on the mud system
- c. a sub on the floor with a full opening valve to be stabbed into the drill pipe when the kelly is not in the string.

## 8. The testing, logging and coring program to be followed:

No DST's are planned

No Cores are expected to be cut. ~~Intervals will be picked by the wellsite geologist in order to optimize the coring process.~~

Logs: DLL  
~~GR-SGX~~  
GR-FDC/CNL

## 9. Any anticipated abnormal pressures or temperatures expected to be encountered:

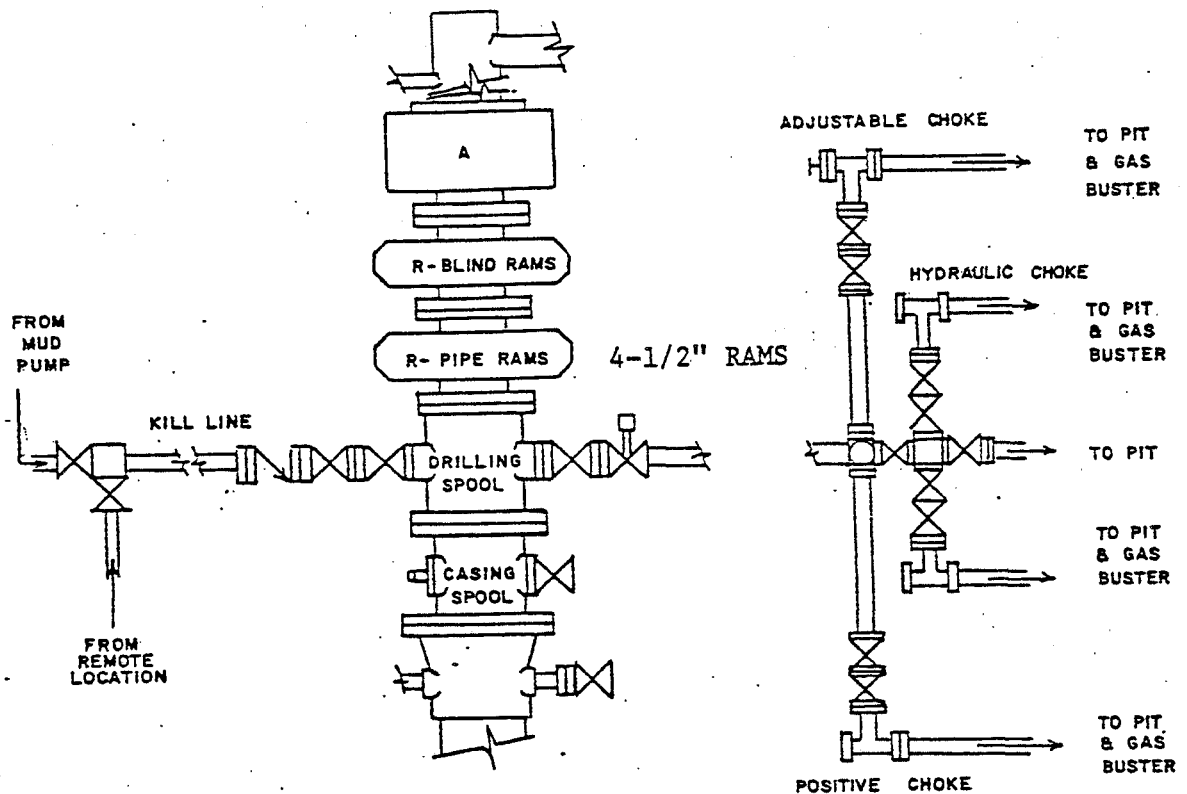
No abnormal pressures or temperatures expected  
No hydrogen sulfide expected

## 10. The anticipated starting date and duration of the operation:

Three weeks' duration  
June 1, 1982

3000 psi

Working Pressure BOP's



### Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
  - a) inside blowout preventer
  - b) lower kelly cock
  - c) upper kelly cock
  - d) stand pipe valve
  - e) lines to mud pump
  - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

C.I.G. EXPLORATION INCORPORATED

13 Point Surface Use Plan

for

Well Location

C.I.G.E. #100D-13-9-21-J

Located In

Section 13, T9S, R21E, S.L.B. & M.

Uintah County, Utah

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #100D-13-9-21-J  
Section 13, T9S, R21E, S.L.B. & M.

## 1. EXISTING ROADS

See attached Topographic Map "A".

To reach C.I.G. EXPLORATION INCORPORATED, well location site C.I.G.E. #100D-13-9-21-J located in the NW 1/4 SW 1/4 Section 13, T9S, R21E, S.L.B. & M., Uintah County, Utah:

Proceed Westerly out of Vernal, Utah along U.S. Highway 40 - 14 miles to the junction of this road and Utah State Highway 209; proceed South along Utah State Highway 209 - 7 miles more or less to the junction of this highway and Utah State Highway 88, proceed Southerly on Highway 88 - 10 miles to Ouray, Utah; proceed on South along a county road, known as the Seep Ridge Road 8.3 miles + to its junction with the Mountain Fuel Pipeline Road; proceed in an Northeasterly direction along this road 9.7 miles to its junction with a road to the North; proceed in a Northerly direction along this road 1.3 miles to its junction with a road to the West; proceed in a Westerly direction along the this road 0.5 mile to the beginning of the proposed access road (to be discussed in Item #2).

The highways mentioned above are bituminous surfaced roads to Ouray, Utah and are maintained by State road crews.

The county road known as the Seep Ridge road is surfaced with native asphalt for + 4 miles and is then a gravel surface road. The above described county road is maintained by county road crews and will require no future maintenance. The dirt gas field roads described above are dirt surfaced roads that were built out of the native materials of the area which were accumulated during their construction. These materials consists of light brown sandy clay materials with some poorly graded gravels. These gas field roads will be maintained by C.I.G. EXPLORATION INCORPORATED or its sub-contractors, this maintenance will consist of some minor grader work to smooth road grades and for snow removal.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.L.M. or other controlling agencies.

## 2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing road described in Item #1 in the NW 1/4 SE 1/4 Section 13, T9S, R21E, S.L.B. & M. and proceeds in a Westerly direction 0.6 miles to the proposed location site.

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #100D-13-9-21-J  
Section 13, T9S, R21E, S.L.B. & M.

The grade along this road will be relatively level, the maximum grade along this road will not exceed 8%. The vegetation along this road consists of sagebrush and grasses with large areas devoid of any vegetation.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to the area.

Back slopes along the cut areas of the roads will be 1 1/2 to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction. This road will be constructed out of the native materials which will be accumulated during its construction.

It is not anticipated at this time that there will be any turnouts required along this road, however, if at the time of the onsite inspection it is determined that it is necessary, then it will be constructed according to the specifications for turnout installation in the Oil and Gas Surface Operation Manual.

It is not anticipated that there will be any culverts required along this road as it crosses no drainages of any consequence.

### 3. EXISTING WELLS

There are approximately eight existing producing wells within a one mile radius of this location site. See Topographic Map "B" for the location of these wells relative to the proposed location site.

There are no water wells, abandoned wells, temporarily abandoned wells, disposal wells, drilling wells, shut-in wells, injection wells, monitoring or observation wells for other resources located within a one-mile radius of this location site.

### 4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are other C.I.G. EXPLORATION INCORPORATED Production facilities, and gas gathering line, tank batteries, oil gathering lines, injection lines or disposal lines within a one-mile radius.

In the event that production of this well is established the existing area of the location will be utilized for the establishment of the necessary production facilities.

The proposed gas flow will be an 18' right-of-way.

If there is any deviation from the above, all appropriate agencies will be notified.

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #100D-13-9-21-J  
Section 13, T9S, R21E, S.L.B. & M.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "A".

Water to be used for the drilling and production of this well will be hauled from the White River at a point in Section 17, T9S, R22E, S.L.B. & M. 3 miles over the roads described in Items #1 & #2.

In the event the above source cannot be improvised other arrangements will be made and all concerned agencies will be notified. All permits and necessary requirements will be strictly adhered to.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site and access road will consist of a sandy-clay soil and sandstone and shale material gathered in actual construction of the road and location.

METHODS OF HANDLING WASTE DISPOSAL

A reserve pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. All trash and flammable materials will be contained in a portable trash basket and hauled to the nearest sanitary landfill. Non-flammable material such as cuttings, salts, chemicals, etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the reserve pit will be fenced on three sides. Upon completion of drilling the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation is attempted.

A portable chemical toilet will be supplied for human waste.

All produced oil from this well will be contained in the storage tank and will be sold. Water if any which is produced will be run into the reserve pits as required in the NTL-2B Regulations.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #100D-13-9-21-J  
Section 13, T9S, R21E, S.L.B. & M.

9. WELL SITE LAYOUT

See attached location layout sheet.

The B.I.A. Representative shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest sanitary landfill. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.I.A. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Item #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A")

The area slopes from the rim of the Book Cliff Mountains to the South to the White River to the North, and is a portion of the Roan Plateau. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerates, and shale deposits.

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #100D-13-9-21-J  
Section 13, T9S, R21E, S.L.B. & M.

The majority of the washes and streams in the area are non-perennial in nature with the only two in the area having a year round flow being the White River to the North of which the numerous washes, draws and non-perennial streams are tributaries to.

The majority of the surrounding drainages are of a non-perennial nature with normal flow limited to the early spring and extremely rare heavy thunderstorms, or rainstorms of high intensity that lasts over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8".

All drainages in the immediate area are non-perennial streams and flow to the North and are tributaries to the White River.

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravels surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poor gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates and shales).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid region we are located in and in the lower elevations of the Uintah Basin. It consists of, as primary flow areas of sagebrush, rabbitbrush, some grasses, and cacti and large areas of bare soils devoid of any growth in the areas away from and in the vicinity of non-perennial streams and along the areas that are formed along the edges of perennial streams, cottonwood, willows, tamarack sagebrush, rabbitbrush, grasses and cacti can be found.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to this area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area - (See Topographic Map "B"):

C.I.G.E. #100D-13-9-21-J location site sits on a relatively flat area, approximately 400 feet East of a large Wash, (non-perennial) which drains to the North into the White River.

The geologic structure of the location is of the Uinta Formation and consists of light brownish-gray clay (SP-PL) with some sandstone outcrops.

The ground slopes from the South through the location to the North approximately a 2.5% grade into a large non-perennial drainage which drains to the North into the White River.

12

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #100D-13-9-21-J  
Section 13, T9S, R21E, S.L.B. & M.

The location is covered with some sagebrush and grasses.

The total surface ownership affected by this location is under B.I.A. jurisdiction.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

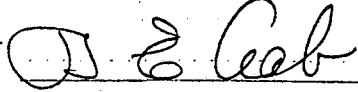
C.I.G. EXPLORATION INCORPORATED  
P.O. Box 749  
Denver, CO. 80201

1-303-572-1121

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by C.I.G. EXPLORATION INCORPORATED and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

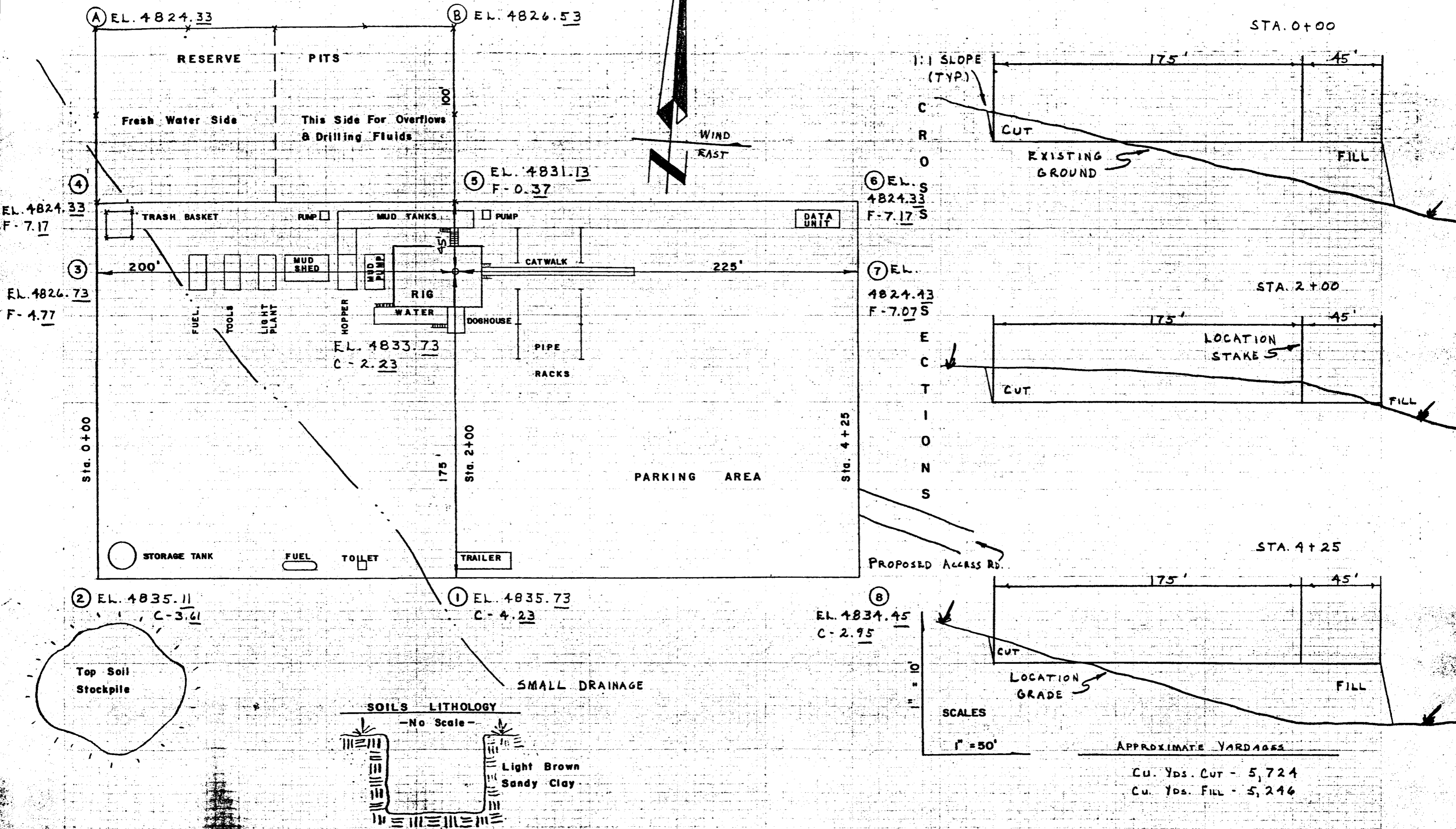
May 18, 1982  
Date

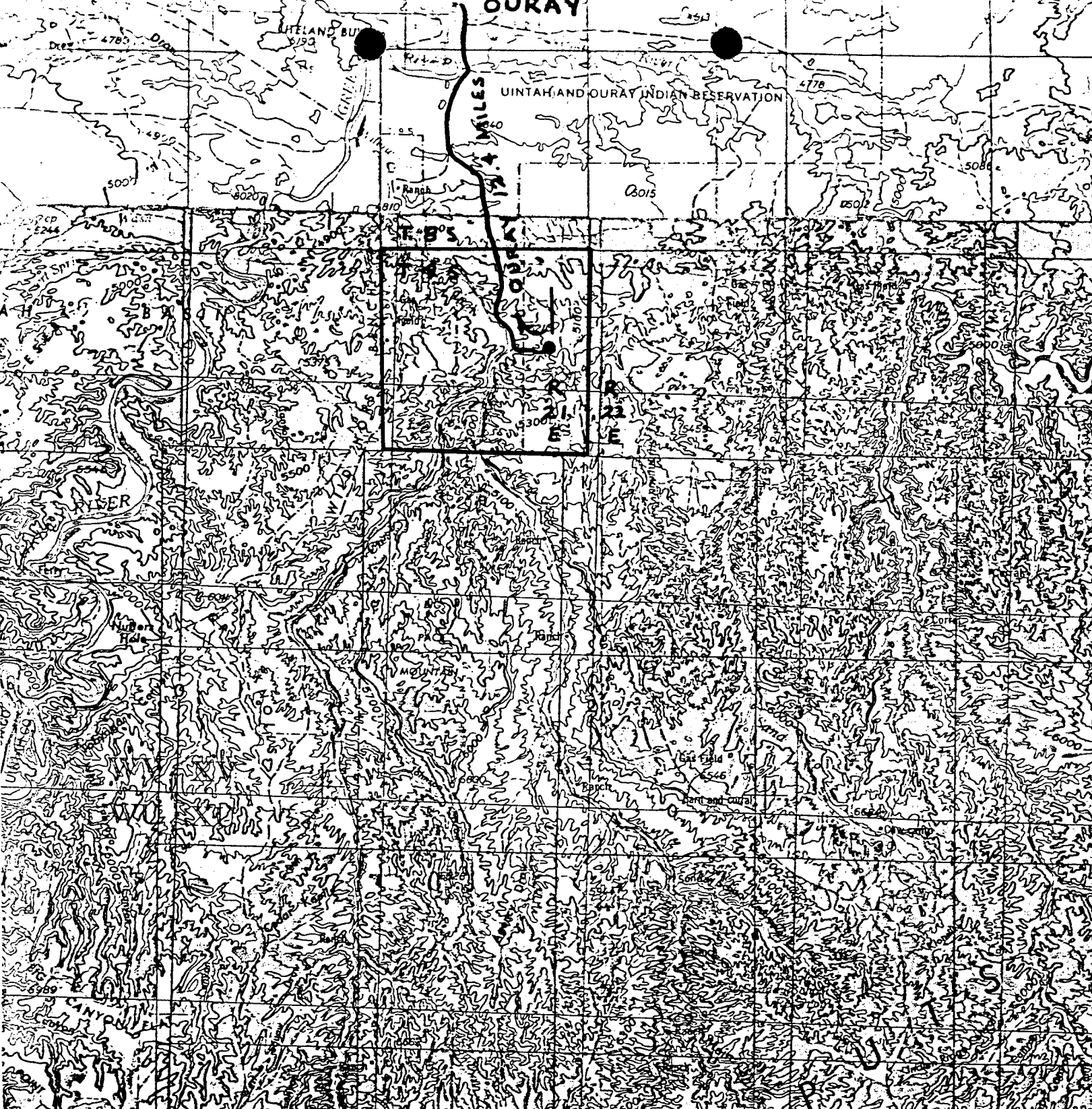
  
H. E. Aab  
District Drilling Manager

SCALE 1" = 50'

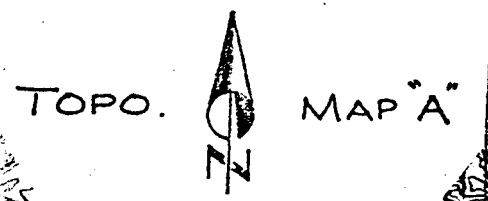
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C.I.G.E. 100D-13-9-21J

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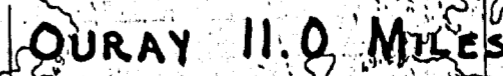




C. I. G. EXPLORATION, INC.  
C. I. G. E. 100D-13-9-215



SCALE: 1" = 4 Mi.



ROAD



WELL  
HEAD

100'

3 PHASE  
HEATED SEPARATOR

DEHYDRATOR  
AND  
METER  
RUN

50'

25'

PIPELINE  
FLANGE

100'

HYDROCARBON  
STORAGE  
TANK

100'

WATER PIT

COLORADO INTERSTATE GAS EXPLORATION  
DENVER, COLORADO

CIGE 100D-13-9-21J

Statement for permit to lay flow line, to be included with application for Drilling Permit:

Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from CIGE 100D-13-9-21J in a southerly direction through the SW/4 of Section 13 connecting to Line F 3-6 in the SW/4 of Section 13, all in 9S-21E. The line will be approximately 800' long, as shown on the attached sketches.

Pipe will be 4½" O.D. x .237" W.T., Grade B. It will be butt-welded in place, using portable electric welding machines, and will be laid aboveground except where burial is necessary for road crossing, ditches, or other obstructions. Magnesium anodes will be installed at the dehydrator, meter setting, road crossings, underground piping at stream crossings, and at producer's separator for corrosion protection.

CIG will connect to producer's separator and install dehydration and metering facilities within 100' of the connection.

Some damage will be incurred by trucks transporting pipe and welding equipment over the pipeline route, but surface disturbance will be held to a minimum.

### ESTIMATE SKETCH

DATE: 4-26-82  
STARTING DATE: \_\_\_\_\_  
EST. COMP. DATE: \_\_\_\_\_  
☐ COMPANY ☒ CONTRACT

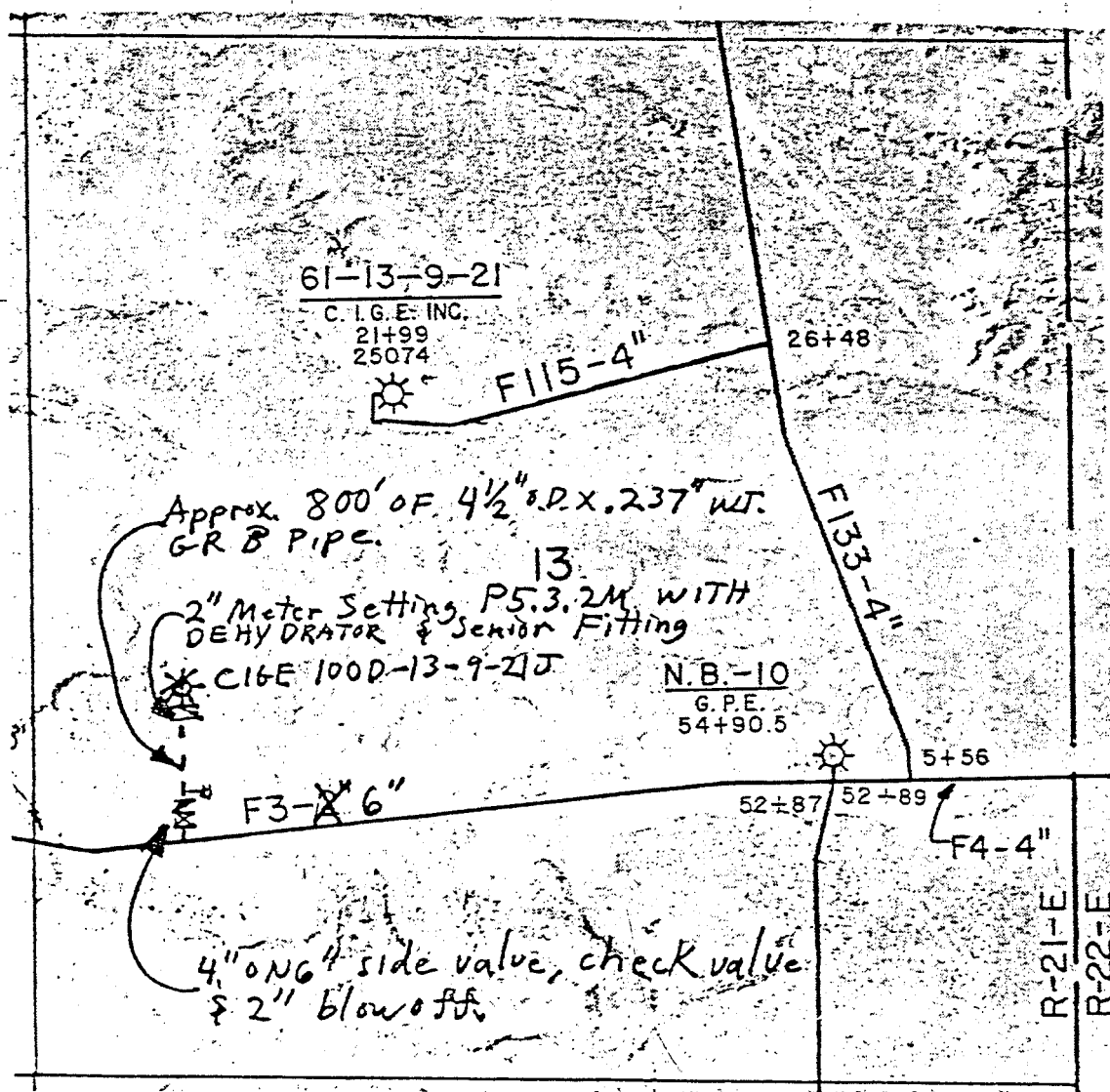
☒ COLORADO INTERSTATE GAS COMPANY

W O NO.: \_\_\_\_\_  
 REVISION NO.: \_\_\_\_\_  
 BUDGET NO.: \_\_\_\_\_  
 RELATED DWG.: 115FU-1B

LOCATION: Nw SW SEC. 13-9s-21E COUNTY: Uintah STATE: Utah  
DESCRIPTION OF WORK: Connect CIG-E 100D-13-9-21J Natural Buttes  
CIG. Explor., Inc.

REQUESTED BY: \_\_\_\_\_ APPROXIMATE MILEAGE: \_\_\_\_\_ PROJECT ENGINEER: JF/K

RANGE: 21E



TOWNSHIP: 95

PREPARED BY: \_\_\_\_\_ SCALE (IF ANY): 1" = 1,000'

SCALE (IF ANY): 1" = 1,000'

Freehand sketch of location of proposed installation to be constructed or retired showing relative location of existing facilities in area.





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

CIG Exploration, Inc.

## 3. ADDRESS OF OPERATOR

P. O. Box 749, Denver, Colorado 80201

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

1742' FSL/798' FWL (NW SW)

At proposed prod. zone

Same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 15 miles SE of Ouray, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 1742'

## 16. NO. OF ACRES IN LEASE

1920

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 1602'

## 19. PROPOSED DEPTH

7300' (Wasatch)

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4834 Ungr. Gr.

## 22. APPROX. DATE WORK WILL START\*

June 1, 1982

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

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12-1/4"	9-5/8"	36#	200'	125 sx
8-3/4, 7-7/8	4 1/2"	11.6#	7300'	Sufficient cmt to cover 200' above the uppermost hydrocarbon zone to protect the oil shale

Fresh water aquifers will be protected when the long string is run and cement is circulated back to surface. Please see the attached supplemental information:

CEMENT SHOULD SEPARATE OIL SHALE  
FROM

FRESH WATERS. SEE OIL  
SHALES STIPS

- (1) Survey Plat
- (2) Ten-Point Program
- (3) BOP Schematic
- (4) Thirteen-Point Surface Use Program
- (5) Proposed Gas Well Production Hookup
  - a. Proposed flowline right-of-way.
  - b. Proposed flowline map.
  - c. Typical wellhead installation.
  - d. Typical mainline & pipe anchor detail.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

H. E. Aab

TITLE District Drlg. Mgr.

DATE May 18, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

FOR E. W. GUINN

TITLE

DISTRICT OIL &amp; GAS SUPERVISOR

DATE

JUL 27 1982

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

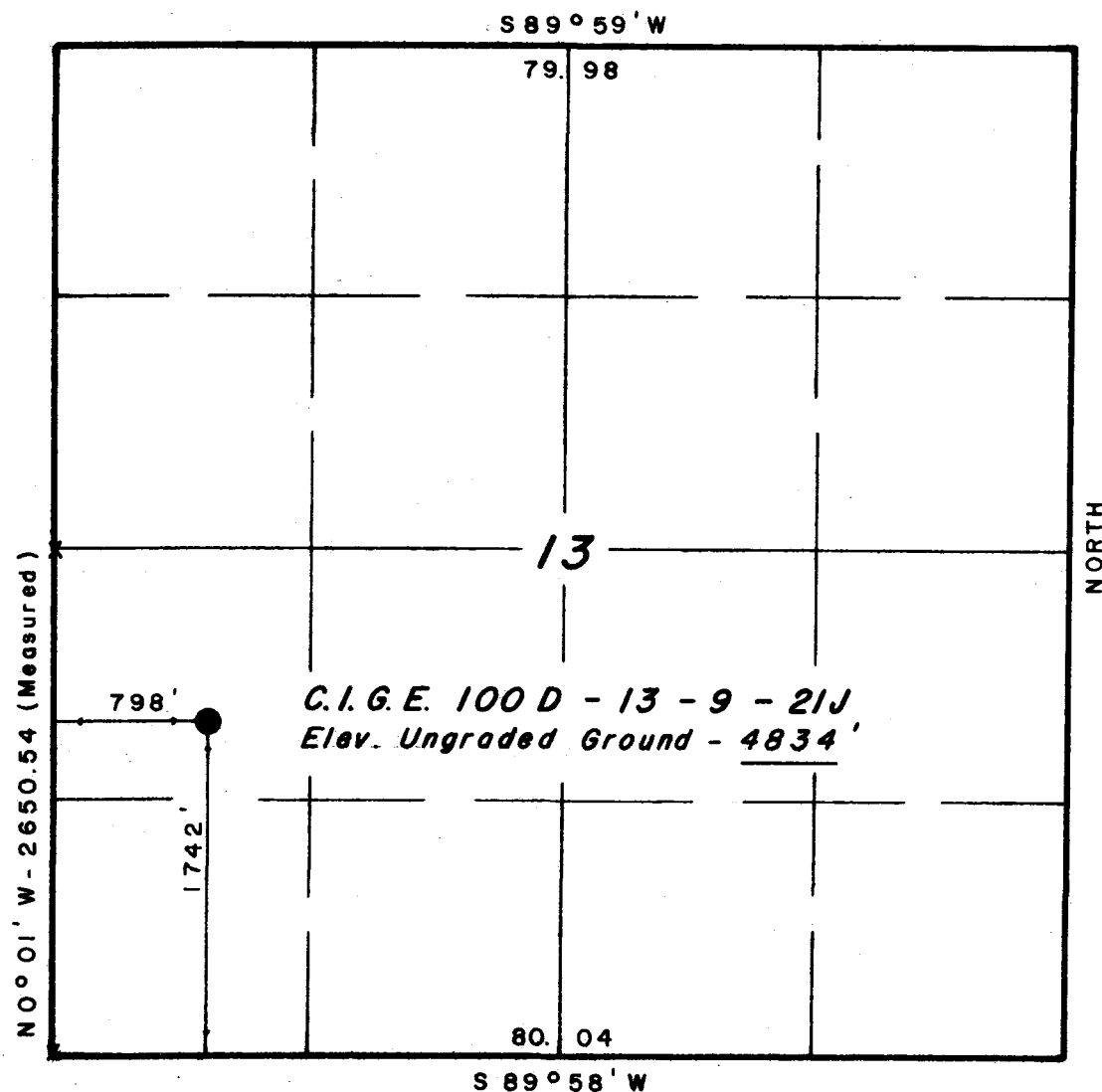
CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

STATE 046

*T 9 S, R 21 E, S.L.B. & M.*



X = Section Corners Located

PROJECT  
**C.I.G. EXPLORATION INC.**

Well location, *C.I.G.E. 100 D - 13 - 9 - 21 J*, located as shown in the NW 1/4 SW 1/4 Section 13, T 9 S, R 21 E, S.L.B. & M. Uintah County, Utah.



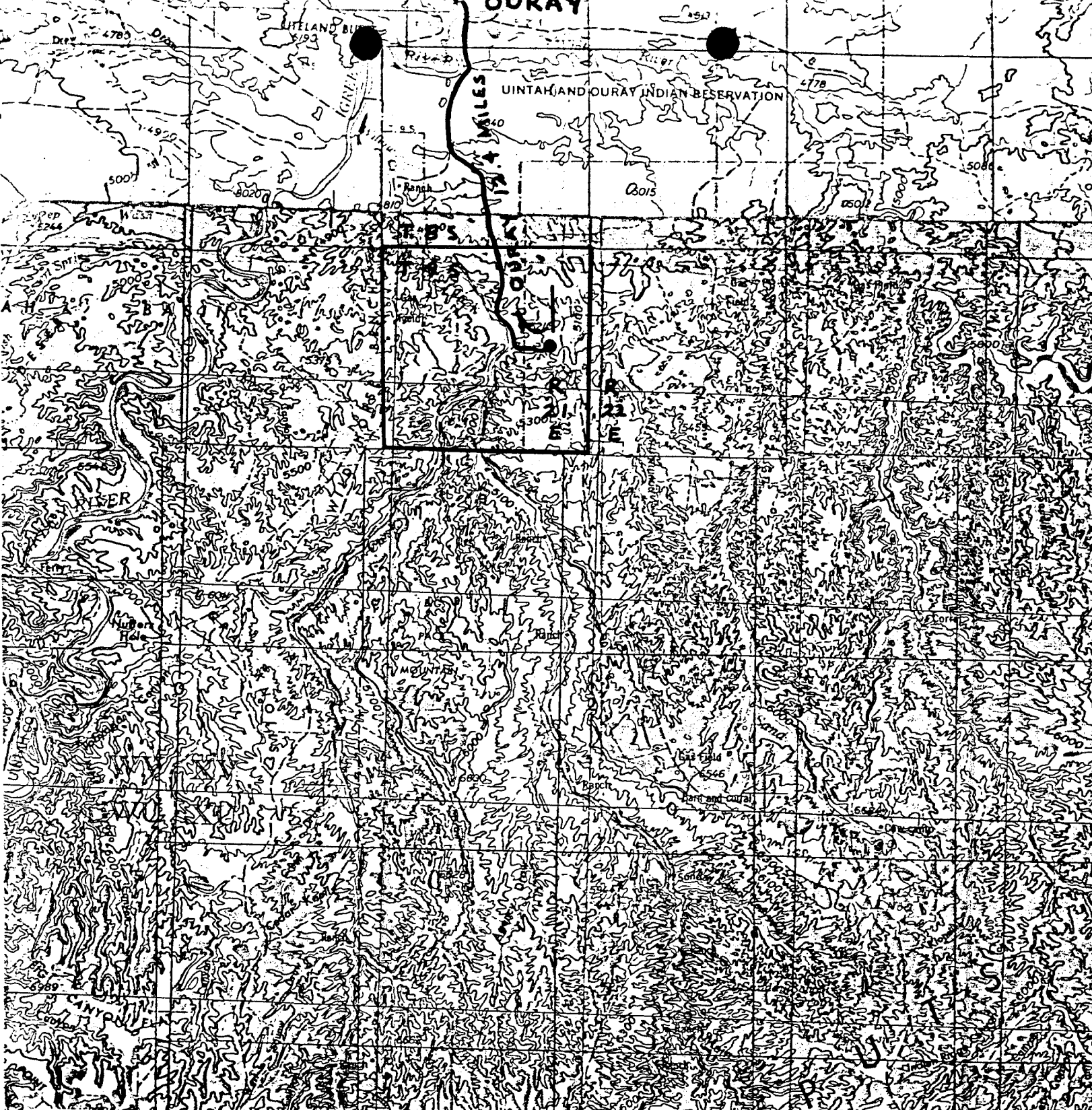
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.


*Lawrence C. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P.O. BOX Q ~ 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	5/6/82
PARTY	D A K M L Z	REFERENCES	GLO Plat
WEATHER	Warm	FILE	C.I.G.E.



C. I. G. EXPLORATION, INC.  
C. I. G. E. 100D-13-9-215

TOPO.  MAP "A"

SCALE: 1" = 4 Mi.

JUL 19 1982

SALT LAKE CITY, UTAH United States Department of the Interior  
Minerals Management Service  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104-3884

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator CIBE Incorporated  
Project Type GAS WELL - Development  
Project Location 1742' FELT NR FUEL SEC 12 T9S R21E  
Well No. 100D-13-9-215 Lease No. U-01193  
Date Project Submitted 5-24-82

MINERALS MANAGEMENT  
SERVICE  
OIL & GAS OPERATIONS  
RECEIVED  
JUL 19 1982  
SALT LAKE CITY, UTAH

FIELD INSPECTION

Date 6-29-82

Field Inspection  
Participants

Craig Hansen MMS - UTAH  
Lynn Hall BID FT Duchesne  
Bill Kay CIBE Incorp  
Dot Bohner " "

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

6-30-82  
Date Prepared

Craig Hansen  
Environmental Scientist

I concur

JUL 21 1982  
Date

E. W. GYNN  
FOR E. W. GYNN  
DISTRICT OIL & GAS SUPERVISOR  
District Supervisor

# CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety	BIA 2-16-82							6-24-82 246	
Unique charac- teristics	/							246	
Environmentally controversial	/							246	
Uncertain and unknown risks	/							246	
Establishes precedents	/							246	
Cumulatively significant	/							246	
National Register historic places	/								
Endangered/ threatened species	/								
Violate Federal, State, local, tribal law	/								

## CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey  
(Conservation Division, Geological Division, Water Resource Division,  
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement

✓

P.I. ☒

June 2, 1982

CIG Exploration, Inc.  
P.O. Box 749  
Denver, Colorado 80201

RE: Well No. CIGE 100D-13-9-21J  
Sec. 13, T9S, R21E  
Uintah County

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953 and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT  
Office: 533-5771  
Home: 466-4455


Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-31225.

Sincerely,

DIVISION OF OIL, GAS AND MINING

  
Ronald J. Firth  
Chief Petroleum Engineer

RJF:SC  
cc: Minerals Management Service  
Enclosure

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other2. NAME OF OPERATOR  
CIG Exploration Incorporated3. ADDRESS OF OPERATOR  
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1742' FSL/798' FWL (NW SW)

AT TOP PROD. INTERVAL: SAME

AT TOTAL DEPTH: SAME

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(other) Change Casing Program X

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \* It is proposed to change casing program FROM:

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9-5/8"	36#	200'	125 sx
7-7/8"	5 1/2"	11 6#	7300'	

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 7/8/82

TO:

BY: [Signature]

Circulate cmt to surface to properly isolate the hydrocarbon bearing zones, the oil shale &amp; shallow ground water.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9-5/8"	36#	200'	125 sx
7-7/8"	5 1/2"	17#	7300'	

Circulate cmt to surface to properly isolate the hydrocarbon bearing zones, the oil shale & shallow ground water.

SIGNED

H. E. Aab

TITLE Dist. Drlg. Mgr.

DATE June 29, 1982

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



JUL 8 1982

Uintah and Ouray Agency  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

UINTAH & OURAY  
AGENCY

(801) 722-5141

June 30, 1982

RE: CIG Exploration, Inc.,  
Well #1000-13-9-21J,  
Lease #U-01193, Section 13  
T. 9 South, R. 21 East  
Uintah County, Utah

Mr. L. W. Collier, Superintendent  
Bureau of Indian Affairs  
Uintah and Ouray Agency  
Ft. Duchesne, Utah 84026

Dear Superintendent Collier:

In regard to the reference APD submitted by CIG Exploration, Inc., for approval, we have reviewed the various components of the situation and find all to be in order as only Tribal surface is involved (BLM and fee minerals) and the on-site inspection has had satisfactory results.

This shall serve to notify you of our concurrence in the approval of APD. Please feel free to contact us should further assistance in the matter be required.

Sincerely,

*Ronald J. Chohamin*  
RONALD J. CHOHAMIN  
Director, Energy & Minerals

sbm

cc: Jason Cuch  
BIA Realty  
BIA Land Operations  
E&M Section File  
File

Utah and Ouray Agency  
Environmental Analysis and Negative Declaration

1. Description of Proposal:

CIG Exploration, Inc. proposes to drill an gas well 100D-13-9-21J to a proposed depth of 7,300 feet; to construct approximately 0.6 miles of new access road; and upgrade approximately None miles of existing access road. The well site is located approximately 15 miles SE of Ouray, Utah in the NWSW Sec. 13, T 9S, R 21E, SLM.

2. Description of the Environment: 1,742' FSL and 798' FWL.

The area is used for livestock range, wildlife, recreation activities, scenic qualities, hunting, oil and gas industry. The topography is low hills and alluvial flood plains. The vegetation consists of sagebrush, greasewood, rabbit brush, horse brush, snake weed.

The area is used as wildlife habitat for X deer, X antelope, elk, bear, X small animals, pheasant, dove, sage grouse, ruffle grouse, blue grouse, bald eagle, golden eagle, other coyotes, rabbits, rodents, reptiles.

The climate is characterized by having cold snowy winters and warm dry summers. Temperatures range from -40°F during the winter to 105°F in the summer. The approximate annual precipitation is 6-8 inches. The elevation is 4,834 feet.

3. Environmental Impacts:

During construction of the well dust and exhaust emissions will affect air quality. Soil and vegetation will be removed from 5 acres of land occupied by the well site and access road. The disturbance of the soil and removal of vegetation will:

A. Destroy wildlife habitat for: X deer, X antelope, elk, bear, X small mammals, pheasant, dove, sage grouse, ruffle grouse, blue grouse, X rabbit, golden eagle, bald eagle, other rodents, reptiles

B. Remove from production: X rangeland for livestock grazing, irrigated cropland, irrigated pastureland, prime timberland, pinion-juniper land.

C. Result in the invasion of annual weeds and will cause accelerated soil erosion: During the construction and production of the well human activity in the area will increase significantly. This is expected to significantly increase: X poaching of wildlife, X disturbance of wildlife, X vandalism of property, theft of firewood, X litter accumulations, X livestock disturbance, X livestock thefts, X livestock loss to accidents, X increase the hazard to public health and safety. There is a high, X moderate, slight possibility that pollution from this activity will enter a stream or lake.

Production facilities can easily be seen from a: community, major highway, public facility.

4. Mitigating measures:

To lessen the impact on the environment the provisions stipulated in the letter to Mr. Ed W. Quinn, District Engineer, U.S. Geological Survey, dated February 11, 1980 will be implemented. Additional stipulations and changes to the 11 point surface use plan are: (1) comply with changes and additional made at the on-site inspection and included in the mineral management service environmental assessment (2) operator will obtain all right-of-ways and permits required by the BIA and Ute Tribe (3) the operator will assume a continuing responsibility for all adverse impacts related to his oil and gas drilling and production activities and will correct or mitigate at the request of BIA or MMS.

5. Unavoidable adverse effects:

None of the adverse effects listed in item #3 above can be avoided in a practical manner except those which were mitigated in item #4 above.

6. Relationship between short term and longterm productivity:

As long as oil or gas wells are producing and the access roads are retained there will be a total loss of production on the land and the Environmental Impacts will continue to affect the surrounding area. Normally oil and gas wells produce from 15 to 30 years. After the wells stop producing it is standard policy to restore the surface to near its original condition. Occasionally the site occupied by the well or road can be restored to produce as much as it originally produced, but most of the time it can not be restored to its original productive capacity. Therefore, the land surface productive ability will be permanently damaged.

7. Irreversible and Irretrievable commitment of Natural Resources:

There are two irreversible and irretrievable resources commit in this action.

A. Oil or Gas: Oil and gas is a non-renewable resource. Once it has been removed it can never be replaced.

B. Damage to the land surface: There are three causes of damage to the soil surface due to oil or gas wells and road construction. (1) Gravel is normally hauled onto the site as a pad foundation for equipment and traffic to operate on. Gravel has low fertility and low waterholding capacity. Therefore, after the site is restored the gravel must either be removed, or incorporated into the natural landscape. (2) Chemicals are often either accidentally spilled or intentionally applied to the site for weed and dust control. Generally the chemicals are crude oil or production water, which may contain as much as 20,000 PPM of salts. Once chemicals become incorporated in the soil they are difficult to remove and interfere with the soils ability to produce vegetation. (3) Soil compaction occurs where the site is subject to stormy wet weather and traffic from heavy trucks and equipment. Each of the above items cause soil damage and after the site is restored the productive ability of the soil will be damaged permanently.

8. Alternatives:

- A. No. program - This alternative refuses the authorization of the application for permit to drill. This action would not allow the operator to enter upon the land surface to drill for oil or gas. Because the minerals usually cannot be developed without encroachment on the surface, the mineral estate is normally and traditionally designated as dominant, and the surface ownership subservient. The mineral operator's conduct is generally prescribed only by the rule of reasonableness and the limitations that he is not permitted to act in a wanton or negligent manner. Within their confines, the operator has considerable latitude in the necessary use of the surface to produce and develop the mineral estate. Therefore if the application for permit is not signed, the operator would undoubtedly initiate court proceedings against the surface owner, in this case the Ute Tribe and the Bureau of Indian Affairs. Historically the courts have upheld the right of the mineral owner to develop the mineral resource regardless of the surface owners desire, therefore the operators rights will likely be upheld if B.I.A. refuses to sign the application for permit to drill this well.
- B. Sign the application for permit to drill. This alternative authorizes the operator to drill for oil or gas as prescribed in the application, providing he complies with stipulations which are considered reasonable as specified in paragraph 4 above under mitigating measures.

9. Consultation:

Bill Kay - Coastal Oil and Gas

Pat Bonher - Coastal Oil and Gas

R.L. Emerson - CIGE

Larry Gurr - GURCO Construction

Floyd Murray - Casada Construction

Ed Kurip - Ute Tribe Energy and Minerals

Bob Jenks - Ute Tribe Energy and Minerals

*R. Lynn Hall*

R. Lynn Hall 6-29-82  
B.I.A. Representative

10. We (concur with or, recommend) approval of the Application for Permit to Drill the subject well.

Based on available information 6-29-82, we have cleared the proposed location in the following areas of environmental impacts:

Yes ☒ No ☐ Listed threatened or endangered species

Yes ☒ No ☐ Critical wildlife habitat

Yes ☒ No ☐ Historical or cultural resources

Yes ☐ No ☐ Air quality impacts (to be used only if project is in or adjacent to a Class I area of attainment)

Yes ☐ No ☐ Other (if necessary)

Remarks: \_\_\_\_\_

The necessary surface protection and rehabilitation requirements are specified above.

R. Lynn Hall  
R. Lynn Hall  
B.I.A. Representative

11. Declaration:

It has been determined that the drilling of the above well is not a Federal action significantly affecting the quality of the environment as would require the preparation of an environmental statement in accordance with Section 102 (2) (c) of the National Environmental Policy Act of 1969 (42 USC 4331) (2) (c).

K.W. Miller  
Superintendent

*Memorandum*

TO : Realty Officer

DATE: July 6, 1982

FROM : Soil Conservationist

SUBJECT: Environmental Analyses and Negative Declaration.

Enclosed are Environmental Analyses and negative declaration  
for the following well locations:

<u>Company</u>	<u>Well</u>	<u>Legal Description</u>
CIGE	101D-20-9-21J	NWSW, Sec. 20, T9S., R21E., SLM.
CIGE	100D-13-9-21J	NWSW, Sec. 13, T9S., R21E., SLM.
Natural Gas Corp. of California	23-24	NESW, Sec. 24, T8S., R21E., SLM.

The company representative was instructed to contact your office for  
the required right-of-ways and permits.

*R. Lynn Hall*

R. Lynn Hall  
Soil Conservationist



United States Department of the Interior  
BUREAU OF INDIAN AFFAIRS  
UINTAH AND OURAY AGENCY

Fort Duchesne, Utah 84026  
(801) 722-2406 Ext.  
202

IN REPLY REFER TO:  
S.M.C.

July 8, 1982

Mr. Craig Hansen  
Mineral Management Service  
P.O. Box 1037  
Vernal, Utah 84078

Dear Mr. Hansen:

Enclosed are Environmental Analyses and Negative Declaration for the following well locations:

<u>Company</u>	<u>Well No.</u>	<u>Legal Description</u>
CIGE	101D-20-9-21J	NWSW, Sec. 20, T9S., R21E., SLM.
CIGE	100D-13-9-21J	NWSW, Sec. 13, T9S., R21E., SLM.
Natural Gas Corp. of California	23-24	NESW, Sec. 24, T8S., R21E., SLM.

The surface use and operating plans are adequate with the changes made at the on-site inspection and included in the Mineral Management Service Environmental Assessment. The additional stipulation listed below are submitted as condition of approval of the A.P.D.

1. The operator will obtain the required right-of-ways and permits from B.I.A. and Ute Tribe and pay established fees.
2. The operator will comply with B.I.A., Ute Tribe and Mineral Management Service Regulations.
3. The operator shall assume a continuing responsibility for all adverse conditions resulting from the exploration, production and related activities and agrees to correct or mitigate these conditions when requested by the B.I.A. or Mineral Management Service.

Thank you for the assistance you provide us.

Sincerely yours,

*L. W. Callahan*  
Superintendent

cc: Realty Office



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 11, 1983

CIG Exploration Incorporated  
P. O. Box 749  
Denver, Colorado 80201

Re: Well No. CIGE # 100D-13-9-21J  
Sec. 13, T. 9S, R. 21E.  
Uintah County, Utah

Well No. CIGE # 101D-20-9-21J  
Sec. 20, T. 9S, R. 21E.  
Uintah County, Utah

Well No. CIGE # 96D-20-10-21J  
Sec. 20, T. 10S, R. 21E.  
Uintah County, Utah

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send in the necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf



Coastal Oil & Gas Corporation

1050 Seventeenth Street - Suite 2100  
Post Office Box 749  
Denver, Colorado 80201-0749  
Phone (303) 572-1121

April 13, 1983

State of Utah  
Natural Resources & Energy  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

ATTN: Cari Furse/Well Records Specialist

RE: CIGE #100D-13-9-21J  
CIGE #101D-20-9-21J  
CIGE #96D-20-10-21J

Dear Cari:

In response to your letter of April 11, 1983 inquiring upon the status of these wells, please take this letter as our notification to cancel these permits.

Also, please use this letter as our assurance that there has been no surface disturbance on any of these locations.

Coastal Oil & Gas Corporation understands that if we plan to drill these wells in the future, that a new Application for Permit to Drill will need to be submitted to your office for approval.

Please acknowledge receipt of this letter by signing below, and returning one copy to our office in the envelope provided. Thank you.

Sincerely,

L. W. Thying  
District Drilling Engineer

LWT/snc  
Enclosure

RECEIPT ACKNOWLEDGED BY THE STATE OF UTAH:

Cari Furse/Well Records Spec.  
Name/Position

cc: Minerals Management Service/Salt Lake City, Utah  
File

RECEIVED  
APR 15 1983  
DIVISION OF  
OIL, GAS & MINING

Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

May 25, 1983

Coastal Oil & Gas Corporation  
P. O. Box 749  
Denver, Colorado 80201

Re: Rescind Applications for Permit  
to Drill

Well No. 4-15-9-20 GR — *L.A.*  
Section 15, T. 9 S., R. 20 E.  
Lease U-0144868

Well No. 67 — *L.A.*  
Section 29, T. 9 S., R. 20 E.  
Lease U-0141645

Well No. 100D-13-9-21J — *L.A.*  
Section 13, T. 9 S., R. 21 E.  
Lease U-01193

Well 101D-20-9-21J — *L.A.*  
Section 20, T. 9 S., R. 21 E.  
Lease U-0575

Well No. 78 — *L.A.*  
Section 30, T. 9 S., R. 21 E.  
Lease U-0581

All in Uintah County, Utah  
Natural Buttes Unit

Gentlemen:

The Applications for Permit to Drill the referenced wells were approved April 23, 1982, October 1, 1982, July 27, 1982, July 29, 1982, and October 29, 1982 respectively. This office is rescinding the approvals for the referenced per your letter request dated March 29, 1983.

Sincerely,

(ORIG. SGD.) W. P. MARTENS  
Drilling Unit Supervisor

*E. W. Gynn*  
Chief, Branch of Fluid Minerals

bcc: SMA  
State O&G ✓  
State BLM  
APD Control  
Well File

WPM/kr